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AMENDMENTS TO THE CLAIMS

A listing of the entire set of claims 1-32 is submitted herewith per 37 CFR §1.121. This listing of claims 1-32 will replace all prior versions, and listings, of claims in the application.

1.-12. (Cancelled)

13. (Currently Amended) A luminaire for illuminating an object, said luminaire comprising:

a first chamber for accommodating at least one tubular lamp; and
a second chamber defined by a light emission window, a curtain, and a light transmitting side wall,

wherein, when that at least one tubular lamp is located within said first chamber, at least a portion of any light emitted by the at least one tubular lamp passes through said curtain into said second chamber with a first homogenous light distribution, and

wherein at least a portion of any light the at least a portion of any light emitted by the at least one tubular lamp passing into said second chamber passes through said light emitting window with a second homogenous light distribution.

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Previously Presented) The luminaire of claim 13,
wherein said curtain includes a calcium halophosphate material.

18. (Previously Presented) The luminaire of claim 13,
wherein said curtain includes a calcium pyrophosphate material.

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19. (Previously Presented) The luminaire of claim 13,
wherein said curtain includes a fluoro-copolymer serving as a binder.
20. (Currently Amended) A luminaire for illuminating an object, said luminaire comprising:
a first chamber for accommodating at least one tubular lamp; and
a second chamber defined by a light emission window and a carrier wall; and
a curtain disposed within said second chamber and affixed to the carrier wall,
wherein, when the at least one tubular lamp is located within said first chamber, at least a portion of any light emitted by the at least one tubular lamp passes through said carrier wall into said second chamber with a first homogenous light distribution,
wherein at least a portion of any light the at least a portion of any light emitted by the at least one tubular lamp passing into said second chamber passes through said light emitting window with a second homogenous light distribution; and
~~wherein a first portion of said curtain is spaced from said carrier wall and a second portion of said curtain is affixed to said carrier wall.~~
21. (Currently Amended) The luminaire of claim 20,
~~wherein a first portion of said curtain is spaced from said carrier wall and a second portion of said curtain is affixed to said carrier wall; wherein said curtain has a layer thickness variation; and~~
wherein a first light transmittance of ~~said first portion of said curtain is less than a second light transmittance of said second portion of said curtain a function of the layer thickness variation of said curtain.~~
22. (Cancelled).
23. (Previously Presented) The luminaire of claim 20,

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wherein said second chamber is further defined by a side wall including a light-transmitting material.

24. (Previously Presented) The luminaire of claim 20,
wherein said curtain includes a calcium halophosphate material.
25. (Previously Presented) The luminaire of claim 20,
wherein said curtain includes a calcium pyrophosphate material.
26. (Previously Presented) The luminaire of claim 20,
wherein said curtain includes a fluoro-copolymer serving as a binder.
27. (Currently Amended) A lighting system for illuminating an object, said lighting system comprising:
a first luminaire including a first homogenous light distribution chamber and a second homogenous light distribution chamber both defined by a first side wall, said second homogenous light distribution chamber further defined by a first light emission window;
a second luminaire including a third homogenous light distribution chamber and a fourth homogenous light distribution chamber both defined by a second side wall, said fourth homogenous light distribution chamber further defined by a second light emission window;
wherein a first edge of said first light emission window lies against a second edge of said second light emission window; and
wherein said first side wall and said second side wall both include a light-transmitting material.
28. (Previously Presented) The lighting system of claim 27,
wherein said first side wall abuts said second side wall.
29. (Previously Presented) The lighting system of claim 27,

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wherein said first side wall and said second side wall are integrated to form one side wall.

30. (Previously Presented) The lighting system of claim 27,
wherein said first luminaire includes a curtain disposed within said second homogenous light distribution chamber;
wherein, when at least one tubular lamp is located within said first homogenous light distribution chamber, at least a portion of any light emitted by the at least one tubular lamp passes through said curtain into said second homogenous light distribution chamber with a first homogenous light distribution; and
wherein at least a portion of any light the at least a portion of any light emitted by the at least one tubular lamp passing into said second homogenous light distribution chamber passes through said first light emitting window with a second homogenous light distribution.
31. (Currently Amended) The lighting system of claim 27,
wherein said a second homogenous light distribution chamber is further defined by a carrier wall;
wherein, when the at least one tubular lamp is located within said first homogenous light distribution chamber, at least a portion of any light emitted by the at least one tubular lamp passes through said carrier wall into said second homogenous light distribution chamber with a first homogenous light distribution; and
wherein at least a portion of any light the at least a portion of any light emitted by the at least one tubular lamp passing into said second homogenous light distribution chamber passes through said first light emitting window with a second homogenous light distribution.

32. (New) The luminaire of claim 13,
wherein said curtain has a layer thickness variation; and

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wherein a light transmittance of said curtain is a function of the layer thickness variation of said curtain.